

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799260

Luminaire Tested: **LD6C08D010 EU6089035 6LBMDDWWH**

Issue Date: 4/12/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P799260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C08D010 EU6089035 6LBMDDWWH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

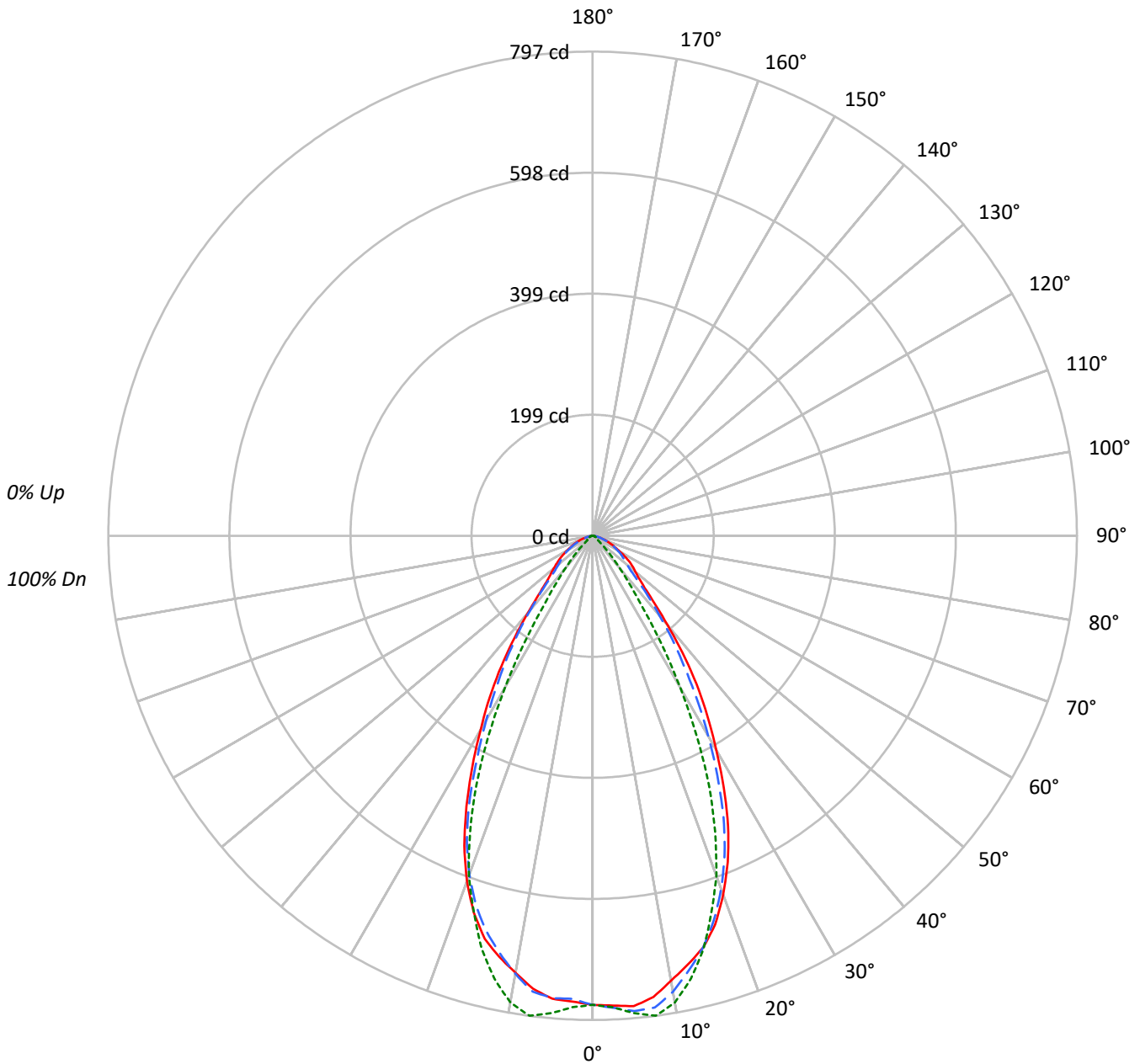
Lumens per Lamp: N/A  
Luminaire Lumens: 786.0 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P799260

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P799260

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWWH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	42327	42327	42327
5°	42769	43413	42098
10°	41382	43414	40658
15°	39830	39983	38979
20°	36654	34729	35283
25°	31901	27389	29717
30°	25732	18199	23345
35°	19950	9383	17527
40°	13683	4859	11801
45°	9381	2434	8280
50°	7804	1040	7104
55°	7015	898	6346
60°	5559	866	5296
65°	4579	765	4540
70°	3719	689	3719
75°	2754	741	2902
80°	1610	631	1736
85°	1258	755	1258



TEST NUMBER: P799260

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.5	9.3
10°-20°	192.9	24.5
20°-30°	220.2	28.0
30°-40°	146.0	18.6
40°-50°	70.4	9.0
50°-60°	43.3	5.5
60°-70°	26.2	3.3
70°-80°	11.0	1.4
80°-90°	2.4	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	486.6	61.9
0°-40°	632.6	80.5
0°-60°	746.3	95.0
0°-90°	786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	772	772	772	772	772	
5°	777	785	789	764	765	73
15°	702	702	704	675	687	196
25°	527	510	453	479	491	239
35°	298	263	140	245	262	184
45°	121	106	31	99	107	99
55°	73	60	9	60	66	65
65°	35	34	6	32	35	36
75°	13	13	4	12	14	14
85°	2	3	1	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P799260

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1	772.1
2.5°	774.0	775.2	777.6	778.0	776.8	769.3	763.0	765.4	767.3
5°	777.2	779.5	785.4	790.9	788.9	776.4	763.8	763.4	765.0
7.5°	765.8	771.3	783.4	797.2	796.8	775.2	756.7	752.0	752.0
10°	743.4	748.5	761.8	780.3	779.9	752.8	732.4	730.0	730.4
12.5°	723.4	725.7	732.4	746.9	746.9	720.2	704.5	706.9	710.0
15°	701.8	703.3	701.8	706.5	704.5	682.5	674.7	682.1	686.8
17.5°	671.1	671.9	663.7	657.4	649.9	636.2	638.1	649.1	650.3
20°	628.3	633.4	618.5	602.4	595.3	582.4	593.4	605.6	604.8
22.5°	581.2	587.1	567.9	541.1	526.6	521.5	541.1	552.1	551.8
25°	527.4	531.7	509.7	472.4	452.8	452.0	479.1	490.5	491.3
27.5°	466.9	468.5	443.8	395.1	370.7	376.6	410.8	426.5	428.4
30°	406.5	405.7	380.1	319.7	287.5	303.6	349.5	366.8	368.8
32.5°	351.1	348.7	319.7	247.4	208.9	232.9	293.4	311.4	314.6
35°	298.1	294.1	262.7	183.0	140.2	175.9	245.0	260.8	261.9
37.5°	242.7	240.7	216.0	137.1	97.8	133.5	199.9	211.3	210.1
40°	191.2	191.2	170.8	101.7	67.9	99.4	158.3	168.5	164.9
42.5°	150.0	152.0	134.7	75.0	48.3	73.8	125.3	134.7	130.8
45°	121.0	121.0	106.0	55.8	31.4	55.0	99.0	107.6	106.8
47.5°	102.5	100.9	86.0	40.8	17.3	41.2	83.3	93.9	93.5
50°	91.5	89.1	73.8	32.2	12.2	34.2	73.0	82.9	83.3
52.5°	82.9	79.3	66.4	28.7	10.6	29.8	66.4	74.2	74.2
55°	73.4	71.5	59.7	25.5	9.4	26.7	59.7	66.8	66.4
57.5°	62.0	61.7	53.4	23.2	8.6	23.6	53.4	57.7	56.2
60°	50.7	52.2	46.3	20.8	7.9	21.2	45.6	49.1	48.3
62.5°	42.4	44.4	40.4	18.5	6.7	18.8	38.5	42.0	41.2
65°	35.3	36.9	33.8	15.7	5.9	15.7	31.8	35.0	35.0
67.5°	29.1	30.2	27.9	13.0	5.1	13.0	25.9	28.7	29.1
70°	23.2	24.0	22.0	10.2	4.3	10.6	20.4	23.2	23.2
72.5°	18.1	18.5	17.3	8.2	3.9	8.2	15.7	18.1	18.1
75°	13.0	13.7	13.0	6.3	3.5	6.3	12.2	13.4	13.7
77.5°	7.5	9.4	9.4	5.1	2.7	4.7	8.6	9.0	9.0
80°	5.1	5.9	6.7	3.5	2.0	3.5	5.5	5.9	5.5
82.5°	3.5	3.9	3.9	2.4	1.6	2.4	3.5	3.9	3.5
85°	2.0	2.7	2.7	2.0	1.2	1.6	2.0	2.4	2.0
87.5°	1.2	1.6	2.0	1.6	1.2	1.2	1.2	1.2	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)